Yufeng Huang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2573312/publications.pdf

Version: 2024-02-01

12	2,151	840776 11	1199594 12
papers	citations	h-index	g-index

12	12	12	4153
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-performance bifunctional porous non-noble metal phosphide catalyst for overall water splitting. Nature Communications, 2018, 9, 2551.	12.8	812
2	Efficient hydrogen evolution by ternary molybdenum sulfoselenide particles on self-standing porous nickel diselenide foam. Nature Communications, 2016, 7, 12765.	12.8	312
3	The Reaction Mechanism with Free Energy Barriers for Electrochemical Dihydrogen Evolution on MoS₂. Journal of the American Chemical Society, 2015, 137, 6692-6698.	13.7	173
4	Effects of Surface Roughness on the Electrochemical Reduction of CO₂ over Cu. ACS Energy Letters, 2020, 5, 1206-1214.	17.4	172
5	Engineering the Composition and Crystallinity of Molybdenum Sulfide for High-Performance Electrocatalytic Hydrogen Evolution. ACS Catalysis, 2015, 5, 448-455.	11.2	141
6	Reaction mechanism and kinetics for CO2 reduction on nickel single atom catalysts from quantum mechanics. Nature Communications, 2020, 11, 2256.	12.8	140
7	Reaction Mechanism for the Hydrogen Evolution Reaction on the Basal Plane Sulfur Vacancy Site of MoS₂ Using Grand Canonical Potential Kinetics. Journal of the American Chemical Society, 2018, 140, 16773-16782.	13.7	116
8	Identifying Active Sites for CO₂ Reduction on Dealloyed Gold Surfaces by Combining Machine Learning with Multiscale Simulations. Journal of the American Chemical Society, 2019, 141, 11651-11657.	13.7	107
9	Identification of the Selective Sites for Electrochemical Reduction of CO to C₂₊ Products on Copper Nanoparticles by Combining Reactive Force Fields, Density Functional Theory, and Machine Learning. ACS Energy Letters, 2018, 3, 2983-2988.	17.4	73
10	Density functional theory based neural network force fields from energy decompositions. Physical Review B, 2019, 99, .	3.2	59
11	Predicted Structures of the Active Sites Responsible for the Improved Reduction of Carbon Dioxide by Gold Nanoparticles. Journal of Physical Chemistry Letters, 2017, 8, 3317-3320.	4.6	43
12	FRACTAL SELF-ORGANIZATION OF BACTERIA-INSPIRED AGENTS. Fractals, 2012, 20, 179-195.	3.7	3